

[WIDE VIEWING ANGLE LIQUID CRYSTAL DISPLAY]

Abstract

A wide viewing angle liquid crystal display comprises a back light unit, an optical compensation circular polarizer unit, a liquid crystal panel and an optical compensation circular analyzer unit. The optical compensation circular polarizer unit is set over the back light unit. The liquid crystal panel is set over the optical compensation circular polarizer unit. The optical compensation circular analyzer unit is set over the liquid crystal panel. The liquid crystal display operates using circularly polarized light to improve uniformity of viewing angle properties and contrast ratio, and prevent gray level inversion due to wide-angle viewing.